# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	_ PCT					
To:  FJ CLEVELAND  Attn. Smith, Norman Ian  40-43 Chancery Lane  London WC2A 1JQ  UNITED KINGDOM	NOTIFICATION OF THE INTERNATIONAL THE WRITTEN OPINIONS SEARCHING AUTHORITS SEEN BY REPORT OF THE PROPERTY OF THE INTERNATIONAL PROPERTY	L SEARCH N OF THE II TY, OF THE	REPORT AND NTERNATIONAL E DECLARATION			
·	(day/month (your)	2/2005	·			
Applicant's or agent's file reference NIS/JG/JY/42811	FOR FURTHER ACTION	See paragr	aphs 1 and 4 below			
International application No.	International filing date	······································				
PCT/GB2004/004976	(day/month/your)	1/2004				
Applicant						
EMMETT LIMITED						
The applicant is hereby notified that the international search Authority have been established and are transmitted herewi	report and the written opinion of the	he Internation	al Searching			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norr International Search Report; however, for more Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa For more detailed instructions, see the notes on the according	mally 2 months from the date of tra details, see the notes on the accor chemin des Colombettes scimile No.: (41-22) 740.14.35	unsmittal of the	" " OTTO A CULT			
2. The applicant is hereby notified that no international search	And a state of the					
3. With regard to the protest against payment of (an) addition	nal fee(s) under Rule 40.2, the app	plicant is notifi	ied that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.						
4. Reminders						
Shortly after the expiration of 18 months from the priority date, the International Bureau. If the applicant wishes to avoid or postpone application, or of the priority claim, must reach the International Bubefore the completion of the technical preparations for internation	publication, a notice of withdrawal areau as provided in Rules 90 <i>bis</i> .1	of the Interna-	tional i			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the international Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of <b>30 months</b> months.	In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19					
See the Annex to Form PCT/IB/301 and, for details about the appl Guide, Volume II, National Chapters and the WIPO Internet site.	icable time limits, Office by Office,	see the PCT	Applicant's			
Name and mailing address of the international Searching Authority	Authorized officer					
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswljk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Jean-Marie Geisw	viller-H	Bouvet			

### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

# INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international plutication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

# What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- the claim is unchanged:
- the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed:
- (v) the claim is the result of the division of a claim as filed.

#### The following examples (illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]: Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added.
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):
  "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
  - "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added.

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

# **PATENT COOPERATION TREATY**

# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220					
NIS/JG/JY/42811		l as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
PCT/GB2004/004976	25/11/2004	25/11/2004					
Applicant	·						
EMMETT LIMITED							
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant					
This International Search Report consists	of a total of sheets.						
X It is also accompanied by	a copy of each prior art document cited in this	report.					
Basis of the report     a. With regard to the language, the language in which it was filed, unloading to the language in which it was filed, unloading to the language in which it was filed.	International search was carried out on the bases otherwise indicated under this item.	sis of the international application in the					
The international this Authority (Rul	search was carried out on the basis of a transle e 23.1(b)).	ation of the international application furnished to					
b. With regard to any nucleo	etide and/or amino acid sequence disclosed	in the International application, see Box No. I.					
2. Certain claims were four	nd unsearchable (See Box II).						
3. Unity of invention is lack	king (see Box III).						
4. With regard to the title,							
X the text is approved as sub	bmitted by the applicant.						
the text has been establish	ned by this Authority to read as follows:						
5. With regard to the abstract,							
the text is approved as sub	•						
the text has been establish may, within one month from	ned, according to Rule 38.2(b), by this Authority on the date of mailing of this international search	as it appears in Box No. IV. The applicant h report, submit comments to this Authority.					
6. With regard to the drawings,							
	iblished with the abstract is Figure No1_						
X as suggested by th							
as selected by this	Authority, because the applicant falled to sugg	gest a figure.					
	Authority, because this figure better characteri	=					
b. none of the figures is to be	published with the abstract.						

International application No.

PCT/GB2004/004976

Box No. IV	Text of the abstract	(Continuation of	fitem	5 of the	first sheet)	۱
------------	----------------------	------------------	-------	----------	--------------	---

A silencer I for an exhaust system comprising a fluid outlet (14, 5) and control means for opening and closing the fluid outlet (14, 5). The control means compriseS a bi-metallic strip (2) with a rivet stopper (22) at one end. The fluid outlet may comprise an aperture (14) or a self-tapping plug (5).

International Application No PCT/GB2004/004976

		Į	PCT/GB2004/004976	
A. CLASS IPC 7	SIFICATION OF SUBJECT MATTER F01N1/16			
According	to International Patent Classification (IPC) or to both national class	ification and IPC		
	S SEARCHED	mouser and IFC		
Minimum d IPC 7	locumentation searched (classification system followed by classific $F01N$	cation symbols)		
Documenta	ation searched other than minimum documentation to the extent the	at such documents are inclu	ded in the fields searched	
	data base consulted during the International search (name of data	base and, where practical,	search terms used)	
C. DOCUM	IENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.	
X	EP 0 710 767 A (CALSONIC CORPORA 8 May 1996 (1996-05-08) abstract; figure 1	ATION)	1,2,4, 24,25,27	
X	DE 21 10 000 B (PAUL GILLET GMB) 23 November 1972 (1972-11-23) column 3, line 14 - column 4, lifigure 2	1,2,4, 24,25,27		
X	US 4 901 528 A (SAIGO ET AL) 20 February 1990 (1990-02-20) abstract; figure 1	1,4,24, 27		
X	JP 60 019907 A (TOYOTA JIDOSHA k 1 February 1985 (1985-02-01) abstract	1,4,24, 27		
	<del></del>	-/		
X Funi	her documents are listed in the continuation of box C.	χ Patent family me	embers are listed in annex.	
	her documents are listed in the continuation of box C.  Itegories of cited documents:		embers are listed in annex.	
consid E' earlier d'	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international	or priority date and or cited to understand invention	the principle or theory underlying the application but the principle or theory underlying the ar relevance; the claimed invention	
which citation 'O' docume other r	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	cannot be considere involve an inventive  "Y" document of particula cannot be considere document is combin ments, such combin	ed novel or cannot be considered to step when the document is taken alone at relevance; the claimed invention ed to involve an inventive step when the ed with one or more other such doculation being obvious to a person skilled	
later th	ent published prior to the international filing date but nan the priority date claimed	in the art.  *&* document member of		
	actual completion of the international search		international search report	
	February 2005 mailing address of the ISA	17/02/2005		
ivanie and f	Tailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Tatus, W		

2

International Application No
PCT/GB2004/004976

		PCT/GB2004/004976
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>.</b>	PATENT ABSTRACTS OF JAPAN vol. 009, no. 139 (M-387), 14 June 1985 (1985-06-14) & JP 60 019907 A (TOYOTA JIDOSHA KK),- 1 February 1985 (1985-02-01) abstract	1,24
(	US 3 718 208 A (GIBEL S,US) 27 February 1973 (1973-02-27) column 1, line 58 - columns 3-24; figure 2	1,2,4, 24,25,27
(	DE 43 23 644 A1 (MOTORENFABRIK HATZ GMBH & CO KG, 94099 RUHSTORF, DE) 26 January 1995 (1995-01-26) column 2, line 20 - column 2, line 28	1,24
	US 5 747 753 A (EDER ET AL) 5 May 1998 (1998-05-05) column 2, line 21 - column 2, line 46; figures 1,2	1,24
	US 5 279 117 A (KAISER ET AL) 18 January 1994 (1994-01-18)	1,6,7, 11,13, 24,29, 30,34,36
	abstract	30,34,30

Information on patent family members

International Application No PCT/GB2004/004976

	itent document		Publication		Patent family	Publication
cited in search report			date		member(s)	date
ΕP	0710767	Α	08-05-1996	JP	3443187 B2	02-09-2003
				JP	8128313 A	21-05-1996
				DE	69516082 D1	11-05-2000
				DE	69516082 T2	24-08-2000
			8-	EP	- 0710767 A1	08-05-1996
		·		US 	5692374 A	02-12-1997
DE	2110000	В	23-11-1972	NONE		
US	4901528	Α	20-02-1990	JP	1182515 A	20-07-1989
				JP	2053131 C	10~05-1996
	,			JP	7088770 B	27-09-1995
JP	60019907	A	01-02-1985	NONE		THE THE RES ASSESSMENT AND ASSESSMENT AND ASSESSMENT AS
US	3718208	Α	27-02-1973	NONE	· · · · · · · · · · · · · · · · · · ·	
DE	4323644	A1	26-01-1995	AU	6980294 A	13-02-1995
				DE	59401668 D1	06-03-1997
				EP	0708882 A1	01-05-1996
				WO	9502755 A1	26-01-1995
us Us	5747753	Α	05-05-1998	DE	4323642 A1	19-01-1995
				AU	6980194 A	13-02-1995
				DE	59401617 D1	27-02-1997
				EP	0708881 A1	01-05-1996
				WO	9502754 A1	26-01-1995
				JP	9500187 T	07-01-1997
 US	5279117	~ А	18-01-1994	DE	4122141 A1	07-01-1993
				EP	0521411 A1	07-01-1993
				JP	5240033 A	17-09-1993

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/GB2004/004976 25.11.2004 International Patent Classification (IPC) or both national classification and IPC F01N1/16 Applicant **EMMETT LIMITED** This opinion contains indications relating to the following items: ☑ Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention ☑ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3 For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:

**Authorized Officer** 

<u>a</u>))

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Tatus, W

Telephone No. +49 89 2399-2693



# 10/580519 'AP9Rec'dPCT/PTO 24 MAY 2006

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/004976

	Box	x No	o. I Basis of the opinion				
1.	. With regard to the <b>language</b> , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
		lan	is opinion has been established on the basis of a translation from the original language into the following iguage , which is the language of a translation furnished for the purposes of international search inder Rules 12.3 and 23.1(b)).				
2.	Witl nec	h re ess	gard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:				
	a. ty	/pe	of material:				
	E	J	a sequence listing				
			table(s) related to the sequence listing				
	b. format of material:						
		]	in written format				
			in computer readable form				
	c. ti	me (	of filing/furnishing:				
	Ε	]	contained in the international application as filed.				
			filed together with the international application in computer readable form.				
		]	furnished subsequently to this Authority for the purposes of search.				
3.		cop	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.				
4.	Add	ition	al comments:				

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/004976

1. ☑ The following document has not been furnished:	_	Во	x No. II	Priority	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).  Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filling date indicated above is considered to be the relevant date.  It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  Additional observations, if necessary:  Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  Novelty (N)  Yes: Claims 3,5-23,26,28-46 No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46 No: Claims 1-46 No: Claims	The following document has not been furnished:						d:	
Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  2. This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis.</i> 1 and 64.1). Thus for the purposes of this opinion, the international filling date indicated above is considered to be the relevant date.  3. It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  4. Additional observations, if necessary:  Box No. V Reasoned statement under Rule 43 <i>bis.</i> 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  Novelty (N)  Yes: Claims 3,5-23,26,28-46  No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46  No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46  No: Claims  Claims  Citations and explanations			⊠	copy of the earlier	application	n whose p	riority has been claimed (Rule 43bis.1 and 66.7(a)).	
nevertheless been established on the assumption that the relevant date is the claimed priority date.  2. This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.  3. It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  4. Additional observations, if necessary:  Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, Inventive step or industrial applicability; citations and explanations supporting such statement  Novelty (N)  Yes: Claims 3,5-23,26,28-46  No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46  No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46  No: Claims 1-46				translation of the	earlier app	lication wh	ose priority has been claimed (Rule 43bis.1 and 66.7(b)).	
has been found invalid (Rules 43 <i>bis.</i> 1 and 64.1). Thus for the purposes of this opinion, the international filling date indicated above is considered to be the relevant date.  3. It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  4. Additional observations, if necessary:  Box No. V Reasoned statement under Rule 43 <i>bis.</i> 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 1-46 No: Claims			Consec neverth	quently it has not be neless been establi	een possil shed on th	ole to cons ne assumpt	ider the validity of the priority claim. This opinion has tion that the relevant date is the claimed priority date.	
was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.  4. Additional observations, if necessary:  Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5-26,28  Industrial applicability (IA)  Yes: Claims 1-46 No: Claims 1-46  No: Claims 1-46  No: Claims 1-46	2.	has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international						
Box No. V Reasoned statement under Rule 43 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 3,5-23,26,28-46 No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46 No: Claims  2. Citations and explanations	3.	was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has						
Industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5-26,28  Industrial applicability (IA)  Yes: Claims 1-46  Claims 1-46  Claims  1-46	4.	Add	litional o	bservations, if nec	essary:		·	
Industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5-26,28  Industrial applicability (IA)  Yes: Claims 1-46  Claims  1-46  Colaims  1-46								
Industrial applicability; citations and explanations supporting such statement  1. Statement  Novelty (N)  Yes: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5-26,28  Industrial applicability (IA)  Yes: Claims 1-46  Claims  1-46  Colaims  1-46		Box	No V	Reasoned state	ment und	ler Rule 43	this 1/a/i) with regard to povolty, investive etch or	
Novelty (N)  Yes: Claims 3,5-23,26,28-46 No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46  Claims 1-46  Claims 1-46				pplicability; citati	ons and	explanatio	ns supporting such statement	
No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46 No: Claims  2. Citations and explanations	1.	Stat	ement					
No: Claims 1,2,4,24,25,27  Inventive step (IS)  Yes: Claims 6-23,29-46 No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46 No: Claims  2. Citations and explanations		Nov	elty (N)	•	Yes:	Claims	3,5-23,26,28-46	
No: Claims 3,5,26,28  Industrial applicability (IA)  Yes: Claims 1-46  No: Claims  2. Citations and explanations					No:	Claims		
Industrial applicability (IA)  Yes: Claims 1-46  No: Claims  2. Citations and explanations		Inve	entive ste	ep (IS)	Yes:	Claims	6-23,29-46	
No: Claims  2. Citations and explanations					No:	Claims	3,5,26,28	
		Indu	ıstrial ap	plicability (IA)			1-46	
see separate sheet	2.	Cita	tions an	d explanations				
		see	separa	te sheet				
Box No. VII Certain defects in the international application		Box	No. VII	Certain defects	in the int	ernational	application	
The following defects in the form or contents of the international application have been noted:	Th			· · · · · · · · · · · · · · · · · · ·			······································	

see separate sheet

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/004976

## Box No. VIII Certain observations on the International application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

### **Box V**

The following documents are referred to in this communication:

D1: EP 0 710 767 A (CALSONIC CORPORATION) 8 May 1996 (1996-05-08)

D2: DE 21 10 000 B (PAUL GILLET GMBH) 23 November 1972 (1972-11-23)

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1, 2, 4, 24, 25 and 27 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (see abstract and figure 1) the features of above claims. This is also the case with respect to D2 (see column 3, line 14 to column 4, line 19; figure 2).

- 3 Subject-matter of claims 3, 5, 26, 28 concern normal technical features or steps a skilled person would use without performing an inventive step (Art. 33(3) PCT).
- Subject-matter of claims 6 to 23 and 29 to 46 fulfils the requirements of Art.33 PCT since its subject-matter is neither known nor obviously suggested by the available prior art, especially the control of the fluid outlet in dependence on the temperature of the silencer.

### **Box VII**

- Contrary to the requirements of Rule 5.1(a)(ii) PCT, no document describing the relevant background art is disclosed in the description, nor is a document identified therein.
- The features of the claims describing the device are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/004976

### **Box VIII**

- The method claims mainly describe the features of the device. The method would only concern the fluid outlet control in dependence on the temperature of the silencer.
- Claim 37 should start with "A method according ....".